

## **IN THE CLAIMS:**

Please amend the claims, as follows:

Claim 1-21 (canceled).

Claim 22 (currently amended): A system comprising:

a server that provides service to a client;

the server further comprising:

a public-key storage unit that stores a public key assigned to the service;

a challenge generator that generates a challenge to be sent from the server to the client after the server receives a request for the service from the client;

an access privilege verifier that verifies whether a prescribed relationship exists between the challenge and a response, the response being corresponding the challenge and received from the client; and

the client that requests the service ~~[[to]]from~~ the server, the client comprises:[[:]]

~~the client further comprising:~~

an unique operation executer that executes ~~[[an]]a first~~ unique operation assigned to the client;

an access privilege proving data storage unit that stores access privilege proving data, the access privilege proving data being created from a private key corresponding to a public key assigned to the requested service and result of a second unique operation;

a response generator that generates the response to the challenge, the challenge being received from the server;

wherein the response is calculated based on the first unique operation and ~~the access privilege proving data that is created from a private key corresponding to the public key assigned to the service of the server; and the unique operation is unique to the client, and~~

wherein a valid response is not calculated unless the first unique operation coincides with the second unique operation.

Claim 23 (currently amended): The system according to claim 22, wherein the server sends the challenge to the client with a condition for using the ~~service server~~.

Claim 24 (previously presented): The system according to claim 22, wherein the unique operation is used under conditions that a common cryptographic hash function is assigned to all client and different data is assigned to each client.

Claim 25 (currently amended): A client that requests service to a server, comprising:  
an unique operation executor that executes a first unique operation assigned to the client;

an access privilege proving data storage unit that stores access privilege proving data, the access privilege proving data being created from a private key corresponding to a public key assigned to the requested service and result of a second unique operation ~~same unique operation to one executed by the unique operation executor;~~

a response generator that generates the response to the challenge, the challenge being received from the server; and

wherein the response is calculated based on ~~result of the~~ first unique operation and the access privilege proving data,

further a valid response is not calculated unless the first unique operation coincides with the second unique operation ~~and unique operation is unique to the client.~~

Claim 26 (previously presented): The client according to claim 25, wherein the access privilege providing data storage unit is included in a portable device.

Claim 27 (new): A system as recited in claim 22, wherein the server is a web server that supplies a web application to the client; and the public key is assigned to an individual web page.

Claim 28 (new): A system as recited in claim 22, wherein the server is a web server that supplies a web application to clients; and the public key is assigned to groups of web pages and is to verify the access privilege of the client for the web page when the server receives a request from the client to access a web page in one of the groups of web pages.

Claim 29 (new): A server as recited in claim 22, further comprising:  
script interpreter for interpreting script designed to control the contents of service.